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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/512,012	11/12/2004	Gustav Fagrenius	47253-00048USPx	1956	
	7590 05/18/2007 SKI AR (SOFR)		EXAM	INER	
WARREN A. SKLAR (SOER) RENNER, OTTO, BOISSELLE & SKLAR, LLP			NGO, HUNG V		
1621 EUCLID 19TH FLOOR	AVENUE		ART UNIT	PAPER NUMBER	
CLEVELAND	OH 44115		2831		
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			MAIL DATE	DELIVERY MODE	
			05/18/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No. Applicant(s)		
Office Action Comment	10/512,012	FAGRENIUS ET AL.	
Office Action Summary	Examiner	Art Unit	
	Hung V. Ngo	2831	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence add	dress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this co D (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on <u>26 Ag</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		merits is
Disposition of Claims			
4) ☐ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 6-12 is/are withdrawn 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2 and 4 is/are rejected. 7) ☐ Claim(s) 3,5 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ acceptable above the above claim(s) are subjected to by the Examine acceptable and acceptable are subjected to by the Examine acceptable acceptable are subjected to by the Examine acceptable accepta	n from consideration. r election requirement. r. epted or b) □ objected to by the l		
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	ion is required if the drawing(s) is ob	jected to. See 37 CF	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National	Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4)	ate	

Art Unit: 2831

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Mullins et al (US 4,838,475).

Re claim 1, Mullins et al disclose

Providing a printed circuit board (18) with solder (solder paste on pad 21)

Providing a shielding can (10) with an extra amount of solder (24)

Placing the shield can (10) on the board (Fig 3)

Heating (22) the PCB and the shield can

Cooling the PCB and the shield can (inherent)

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Seidler.

The teaching of Seidler as discussed above does not disclose the extra amount of solder being provided by a bath of molten solder or a screen printing process. It is well known in the electrical art to use a bath of molten solder or a screen printing process. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Seidler by employing the bath of molten solder or a screen printing process for intended purpose.

Allowable Subject Matter

Claims 3, 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments with respect to claim 1 have been considered but are moot in view of the new ground(s) of rejection and the finality of the rejection of the last Office action is withdrawn.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung V. Ngo whose telephone number is (571) 272-1979. The examiner can normally be reached on Monday to Thursday 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A. Reichard can be reached on (571) 272-2800 EXT 31. The fax

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phone number for the organization where this application or proceeding is assigned is

571-273-8300.

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HVN

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Hnng VNa

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PRIMARY EXAMINER